

*Chnd*  
Serial No. 10/049,469 (Atty. Docket No. 012.P35009)

### AMENDMENT TO THE CLAIMS

Please consider the claims as follows:

1. (Currently Amended) A generator of repetitive sets of spreading sequences for the transmission of symbols by spread spectrum, characterized in that it comprises:
  - a) means of counting and forming an address (20) comprising:
    - an input (22), receiving the symbols to be processed ( $S_{ij}$ );
    - a synchronization input (24), receiving pulses ( $H_s$ ) synchronized with the symbols;
    - means of counting the number of received symbols and forming an address (AB), the address comprising a first part (A) composed of a number  $q$  of bits, where  $q$  is the number of bits in each symbol, and a second part (B) composed of a number  $r$  of bits where  $r = \log_2 S$ , and where  $S$  denotes the number of sequences in a set of sequences, the address (AB) thus comprising a number  $p$  of bits where  $p = q + \log_2 S$ ;
    - an output (23) on which the address (AB) can be collected, for each input of each symbol ( $s_{ij}$ ) applied to the means of counting and forming the address (20);
  - b) a sequences table (30) comprising a number  $L$  of blocks (where  $L=2^q$ ), each block memorizing the set of  $S$  sequences, the sequence table being addressed by the address output by the counting and addressing means, the first part (A) of the address selecting one set among the  $L$  blocks and the second part (B) selecting one sequence among the  $S$  sequences in the one set.